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**ABSTRACT OF THE DISCLOSURE**

*A<sup>2</sup>* The A wheel assembly ~~comprises~~ comprising a wheel having a rim adapted to receive a tire, wherein the wheel ~~carrying~~ has a sensor for measuring pressure inside the tire; a spindle around which the wheel ~~is mounted to rotate~~ rotates; and a communication ~~means~~ device between the sensor and ~~means~~ a device associated with the spindle for ~~making use of~~ utilizing measurements that are performed by the sensor. ~~Said~~ The communication ~~means~~ device ~~comprise~~ comprises a radio transmission ~~means including~~ device that includes a rotary antenna which is carried by the wheel and a fixed antenna which is carried by the spindle.

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